American Scientist Annual Index, Volume 89, 2001

Articles

Adams, Colin, and Joey Shapiro, The Shape of the Universe: Ten Possibilities, Sept., 443

Arnold, Stephen, Microspheres, Photonic Atoms and the Physics of Nothing,

Barsoum, Michel W., and Tamer El-Raghy, The MAX Phases: Unusual New Carbide and Nitride Materials, Jul., 334

Block, Steven M., The Growing Threat of Biological Weapons, Jan., 28

Chiappini, Cristina, The Formation and Evolution of the Milky Way, Nov., 506

Das Sarma, Sankar, Spintronics, Nov., 516
Daugman, John, Iris Recognition, Jul., 326

Delsemme, Armand H., An Argument for the Cometary Origin of the Biosphere, Sept., 432

Goodstein, David, In Defense of Robert Andrews Millikan, Jan., 54

Gourley, Paul L., and Darryl Y. Sasaki, Biocavity Lasers, Mar., 152

Greene, Thomas P., Protostars, Jul., 316 Gulbins, Erich, and Florian Lang, Pathogens, Host-Cell Invasion and Disease, Sept., 406

Herrick, John, and Aaron Bensimon, Combing Chromosomes, May, 236

Hertzman, Clyde, Health and Human Society, Nov., 538

Kleinberg, Robert L., and Peter G. Brewer, Probing Gas Hydrate Deposits, May, 244

Levin, Phillip S., and Michael H. Schiewe, Preserving Salmon Biodiversity, May, 220

Lutz, Richard A., Timothy M. Shank and Robert Evans, Life After Death in the Deep Sea, Sept., 422

Marvier, Michelle, Ecology of Transgenic Crops, Mar., 160

Nolas, George, and Glen A. Slack, Thermoelectric Clathrates, Mar., 136

Nuth III, Joseph A., How Were the Comets Made?, May, 228

Plutchik, Robert, The Nature of Emotions, Jul., 344

Porter, Mason A., and Richard L. Liboff, Chaos on the Quantum Scale, Nov., 532

Rubenstein, Eric P., Superflares and Giant Planets, Jan., 38

Russelle, Michael P., Alfalfa, May, 252Sherman, Paul W., and Samuel M. Flaxman, Protecting Ourselves from Food, Mar., 142

Vroom, Peter S., and Celia M. Smith, The Challenge of Siphonous Green Algae, Nov., 524

Wassersug, Richard J., Vertebrate Biology in Microgravity, Jan., 46

Watchman, Laura, Martha Groom and John D. Perrine, Science and Uncertainty in Habitat Conservation Planning, Jul., 351 Yang, Jay, and Christopher L. Wu, Gene
Therapy for Pain, Mar., 126

Cook-Deegan, Robert, reviews of Cracking the Genome by Kevin Davies;

Computing Science

Hayes, Brian, The Weatherman, Jan., 10; How to Count, Mar., 110; Computing Comes to Life, May, 204; Randomness as a Resource, Jul., 300; The Computer and the Dynamo, Sept., 390; Third Base, Nov., 490

Engineering

Petroski, Henry, Twin Bridges, Jan., 15; Bath Iron Works, Mar., 115; China Journal I, May, 198; China Journal II, Jul., 306; Millennium Legacies, Sept., 396; Everyday Design, Nov., 495

Macroscope

Dieters, Stefan, Requiem for a Great Observatory, Jan., 8

Greenberg, Richard, and B. Randall Tufts, Infecting Other Worlds, Jul., 296

Schulze, Peter, and Jack Mealy, Population Growth, Technology and Tricky Graphs, May, 209

Shipman, Pat, On the Nature of Violence, Nov., 488

Wynne, Clive D. L., The Soul of the Ape, Mar., 120

Marginalia

Fernie, J. Donald, In Search of Better Skies: Harvard in Peru, II, Mar., 123; Harvard in Peru III, Sept., 402

Hoffmann, Roald, Thermophiles in Kamchatka, Jan., 20; Hi O Silver, Jul., 311

Thomson, Keith S., Vestiges of James Hutton, May, 212

Science Observer

Eisenkraft, Noah, The Scent of a Spider, Nov., 503

Mackenzie, Dana, A Sine on the Road to Mecca, May, 217

May, Mike, Getting More Stiffness with Less, Nov., 501

Petersen, Aili, Night Lights, Jan., 24

Schneider, David, Moonbounce, Jul., 314; Pole Vaulting, Nov., 504

Slotnick, Rebecca, Fossil Hunting, by Radar, Jan., 26; The Armpit of the Avian World, May, 218; Fighting "Mad Leader Disease," Nov., 502

Szpir, Michael, An Alien Cityscape, Jan., 25; To Sleep, Perchance to Sing, Jan., 26; Bart Bok's Black Blobs, May, 216; It Came from ... the Atmosphere, Jul., 315

Vacek, Marla, A Gene by Any Other Name, Nov., 500

Book Reviews

Auslander, Joseph, a review of Where Mathematics Comes From by George Lakoff and Rafael E. Núñez, Jul., 366

Buchwald, Jed Z., and George E. Smith, review of *The Ozone Layer* by Maureen Christie, Nov., 546 Cook-Deegan, Robert, reviews of Cracking the Genome by Kevin Davies; Transducing the Genome by Gary Zweiger; and Abraham Lincoln's DNA and Other Adventures in Genetics by Philip R. Reilly, Jan., 62

Dietrich, William, a review of *Inside Passage* by Richard Manning, Mar., 171

Feingold, Mordechai, a review of *The Works of Robert Boyle* by Michael Hunter and Edward B. Davis, eds., Mar., 176

Hogan, Craig J., reviews of *The Hole in the Universe* by K. C. Cole and *The Book of Nothing* by John D. Barrow, Sept., 458

Hollinger, David A., a review of *The Metaphysical Club* by Louis Menand, Nov., 550

Kohler, Robert E., a review of Shaping Biology by Toby A. Appel, May, 262

Low, Bobbi S., a review of *Human Natures* by Paul R. Ehrlich, May, 268

Marcus, Gary F., a review of *Pathways* to Language by Kyra Karmiloff and Annette Karmiloff-Smith, Sept., 456

McGrew, William C., a review of *The* Ape and the Sushi Master by Frans de Waal, May, 264

McShea, Daniel W., a review of Cosmic Evolution by Eric J. Chaisson, Nov., 555

Morrison, Philip and Phylis Morrison, a review of Enriching the Earth by Vaclav Smil, Jul., 360

Palumbi, Stephen R., a review of *The Extended Organism* by J. Scott Turner, May, 266

Papadimitriou, Christos H., a review of The Universal Computer by Martin Davis, Mar., 168

Richards, Robert J., a review of Victorian Sensation by James A. Secord, Sept., 454

Summers, William C., reviews of *The Misunderstood Gene* by Michel Morange; *The Cooperative Gene* by Mark Ridley; and *The Impact of the Gene* by Colin Tudge, Nov., 552

Travis, Anthony S., a review of Mauve by Simon Garfield, Jul., 364

Winter, Alison, reviews of *The Gender and Science Reader* by Muriel Lederman and Ingrid Bartsch, eds., and *Athena Unbound* by Henry Etzkowitz, Carol Kemelgor and Brian Uzzi, Sept., 460

Wynne, Clive D. L., reviews of *The Truth About Dogs* by Stephen Budiansky; *Dogs Behaving Badly* by Nicholas Dodman; and *Companion Animals and Us* by Anthony L. Podberscek, Elizabeth S. Paul and James A. Serpell, eds., Mar., 173

For a complete list of all book reviews, please see: http://www.americanscientist.org/issues/TOC01/index.html